

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S103	1	("6294911").PN.	USPAT; USOCR	OR	OFF	2007/08/09 13:24
S104	90	wafer with anneal\$4 with magnetic\$3 adj field	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 13:53
S105	26	S104 same magnetic near2 layer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 13:26
S106	8	(wafer with anneal\$4 with magnetic\$3 adj field).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 13:59
S107	70	(magnetic adj stack).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 14:00
S108	5	S107 and thermal\$5 near3 magnet\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 14:05
S109	1	S107 and thermal\$5 near3 treat\$5 with magnet\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 14:06
S110	3	S107 and anneal\$4 with magnet\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 14:06
S111	1	S107 and heat\$3 near5 magnet\$4 not S109 not S110	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 14:08
S112	386	wafer same heat\$3 near5 magnet\$4 not S109 not S110	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 14:08

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S11 3	191	wafer with heat\$3 near5 magnet\$4 not S109 not S110	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 14:09
S11 4	40	S113 and anneal\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 14:09
S11 5	34	S113 and anneal\$4 near5 (magnet\$5 layer wafer)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 10:34
S11 6	34	S115 and field	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 14:13
S11 7	31	S115 and magnet\$4 near3 field	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 14:13
S11 8	28	S115 and magnet\$4 near3 field same anneal\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 14:21
S11 9	4	S118 and align\$4 near3 pin\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 14:28
S12 0	11	S118 and (align\$4 field) near3 pin\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/09 14:28
S12 1	70	(magnetic adj stack).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 10:34
S12 2	1	S121 and thermal\$5 near3 treat\$5 with magnet\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 10:34

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S12 3	3	S121 and anneal\$4 with magnet\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 10:34
S12 4	191	wafer with heat\$3 near5 magnet\$4 not S122 not S123	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 10:45
S12 5	34	S124 and anneal\$4 near5 (magnet\$5 layer wafer)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 10:34
S12 6	29	S125 and "C"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 12:59
S12 7	16	S125 and heat adj treat\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 10:37
S12 8	10	S125 and (pinn\$3 pin magent\$4 anneal\$4) near5 ("c" "C")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 10:39
S12 9	1	S125 and (pinn\$3 pin magent\$4 anneal\$4) near5 ("c" "C") with (second minute min)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 10:40
S13 0	18	S125 and ("c" "C") with (second minute min) not S129	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 10:41
S13 1	4	S125 and ("c" "C") with second not S129	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 10:43
S13 2	1	S124 and (heat treat\$4) with ("c" "C") with second not S129 not S131	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 10:43

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S13 3	0	S124 and (heat treat\$4) with ("c" "C") with sec not S129 not S131	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 10:44
S13 4	0	S124 and (heat treat\$4) with ("c" "C") with "s" not S129 not S131	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 10:44
S13 5	50	wafer same heat\$3 with magnet\$4 with seconds	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 10:45
S13 6	33	wafer same heat\$3 with magnet\$4 with field with seconds	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 10:46
S13 7	25	S136 and (pinn\$3 pin) with (magnetic\$4 heat treat\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 10:47
S13 8	33	wafer same heat\$3 with magnet\$4 with field with "seconds"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 12:33
S13 9	25	S138 and (pinn\$3 pin) with (magnetic\$4 heat treat\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 10:52
S14 0	5	S138 and (pinn\$3 pin) with (magnetic\$4 heat treat\$4) with time	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 10:52
S14 1	76	wafer same (heat\$3 treat\$4 anneal\$4 pinn\$4) with magnet\$4 with field with ("seconds" minute)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 10:57
S14 2	2	wafer same (heat\$3 treat\$4 anneal\$4 pinn\$4) with magnet\$4 with field with ("seconds" minute) not "second"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 10:56

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S14 3	84	wafer same (heat\$3 treat\$4 anneal\$4 pinn\$4) with magnet\$4 with field with ("seconds" sec min minute)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 10:57
S14 4	84	wafer same (heat\$3 treat\$4 anneal\$4 pinn\$4) with magnet\$4 with field with (seconds sec min minute)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 10:57
S14 5	4	wafer same (heat\$3 treat\$4 anneal\$4 pinn\$4) with magnet\$4 with field with time with (seconds sec min minute)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 10:58
S14 6	6	wafer same (heat\$3 treat\$4 anneal\$4 pinn\$4) with magnet\$4 with field with (time period) with (seconds sec min minute)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 11:00
S14 7	0	wafer same (heat\$3 treat\$4 anneal\$4 pinn\$4) with magnet\$4 with field with (time period) with less adj than with minute	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 11:02
S14 8	0	wafer same (heat\$3 treat\$4 anneal\$4 pinn\$4) with magnet\$4 with field with less adj than with minute	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 11:00
S14 9	0	(heat\$3 treat\$4 anneal\$4 pinn\$4) with magnet\$4 with field with less adj than with minute	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 11:01
S15 0	0	(heat\$3 treat\$4 anneal\$4 pinn\$4) with less adj than with minute same wafer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 11:01
S15 1	0	(heat\$3 treat\$4 anneal\$4 pinn\$4) with less adj than with (minute second)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 11:01
S15 2	0	(heat\$3 treat\$4 anneal\$4 pinn\$4) with less adj than	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 11:01

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S15 3	9	less adj than	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 11:02
S15 4	0	wafer same (heat\$3 treat\$4 anneal\$4 pinn\$4) with magnet\$4 with field with (time period) with less with minute	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 11:03
S15 5	67	wafer same (heat\$3 treat\$4 anneal\$4 pinn\$4) with (time period) with less with minute	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 11:03
S15 6	36	wafer same (heat\$3 treat\$4 anneal\$4 pinn\$4) with (time period) with less adj4 minute	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 11:04
S15 7	3	wafer same (heat\$3 treat\$4 anneal\$4 pinn\$4) with (time period) with less adj4 minute and pin\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 11:05
S15 8	49	wafer and (heat\$3 treat\$4 anneal\$4 pinn\$4) with (time period) with less adj4 minute and pin\$4 not S157	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 11:08
S15 9	0	wafer same pinn\$4 and (heat\$3 treat\$4 anneal\$4) with (time period) with less adj4 minute and pin\$4 not S157	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 11:06
S16 0	1	wafer with anneal\$4 and (heat\$3 treat\$4 anneal\$4 pinn\$4) with (time period) with less adj4 minute and pin\$4 not S157	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 11:08
S16 1	43	wafer with (heat\$3 treat\$4 anneal\$4 pinn\$4) same (time period) with less adj4 (minute second sec) and pin\$4 not S157	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 11:12
S16 2	88	wafer with (heat\$3 treat\$4 anneal\$4 pinn\$4) same (time period) with less adj4 (minute second sec) same rapid	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 11:13

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S16 3	65	wafer with (heat\$3 treat\$4 anneal\$4 pinn\$4) same (time period) with less adj4 (minute second sec) same rapid adj thermal\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 11:13
S16 4	0	wafer with (heat\$3 treat\$4 anneal\$4 pinn\$4) same (time period) with less adj4 (minute second sec) same rapid adj thermal\$4 and pinn\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 11:13
S16 5	65	wafer with (heat\$3 treat\$4 anneal\$4 pinn\$4) same (time period) with less adj4 (minute second sec) same rapid adj thermal\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 11:17
S16 6	0	wafer with (heat\$3 treat\$4 anneal\$4 pinn\$4) same (time period) with less adj4 (minute second sec) same rapid adj thermal\$4 same ("300" "400" "500")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 11:17
S16 7	5	wafer with (heat\$3 treat\$4 anneal\$4 pinn\$4) same (time period) with less adj4 (minute second sec) same rapid adj thermal\$4 and ((degree "c") with ("300" "400" "500"))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 11:18
S16 8	9	S126 and (lamp laser light) with (anneal\$4 heat\$3 treat\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 11:29
S16 9	26	S126 and field with (heat\$4 treat\$4 anneal\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 11:39
S17 0	20	S126 and field with (heat\$4 treat\$4 anneal\$4) with after	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 11:42
S17 1	5	S126 and align\$4 with pinn\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 11:43

## EAST Search History

S17 2	1	"20040040628" and align\$4 with pinn\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 11:43
S17 3	0	S138 and spot	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 12:33
S17 4	5	wafer same spot near2 anneal\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 12:48
S17 5	317	wafer same spot near2 spot	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 12:48
S17 6	3	wafer same anneal\$4 with spot near2 spot	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 12:49
S17 7	3	wafer and anneal\$4 with spot near2 spot	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 12:49
S17 8	5	wafer and anneal\$4 same spot near2 spot	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 12:49
S17 9	84	wafer and anneal\$4 same point near2 point	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 12:50
S18 0	28	wafer same anneal\$4 with point near2 point	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 12:50
S18 1	0	wafer same anneal\$4 with point near2 point same spot	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 12:51



## EAST Search History

S18 2	111	wafer same anneal\$4 near3 point near2 point	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 12:51
S18 3	111	wafer same anneal\$4 near3 point near point	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 12:52
S18 4	12	wafer same laser same anneal\$4 near3 point near point	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 12:52
S18 5	12	wafer same laser same anneal\$4 near3 point near2 point	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 12:52
S18 6	12	wafer same laser same anneal\$4 adj3 point near2 point	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 12:53
S18 7	0	wafer same laser near3 anneal\$4 with point near2 point	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 12:53
S18 8	0	wafer same laser near3 anneal\$4 same point near2 point	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 12:53
S18 9	6	laser near3 anneal\$4 same point near2 point	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 12:54
S19 0	0	laser same pinn\$4 same point near2 point	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 12:54
S19 1	1	laser same pinn\$4 same spot near2 spot	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 12:55

## EAST Search History

S19 2	0	laser same pinn\$4 same (spot point) near anneal\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 12:56
S19 3	118	laser same (spot point) near anneal\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 12:56
S19 4	10	laser same (spot point) near anneal\$4 same wafer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 12:56
S19 5	23	S126 and (liquid helium nitrogen argon vacuum)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/11 13:00